

DOMAMID FR 66G25V0P1

PA66-GF25

DOMO Engineering Plastics

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|------|-----------------|
| ISO Data | | | |
| Molding shrinkage, parallel | 0.5 | % | ISO 294-4, 2577 |
| Molding shrinkage, normal | 1.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Modulus | 8500 | MPa | ISO 527 |
| Stress at break | 145 | MPa | ISO 527 |
| Strain at break | 3 | % | ISO 527 |
| Flexural modulus, 23°C | 7500 | MPa | ISO 178 |
| Charpy impact strength, +23°C | 60 | kJ/m ² | ISO 179/1eU |
| Charpy notched impact strength, +23°C | 11 | kJ/m ² | ISO 179/1eA |
| Izod impact strength, +23°C | 55 | kJ/m ² | ISO 180/1U |
| Izod notched impact strength, +23°C | 10 | kJ/m ² | ISO 180/1A |

| Thermal properties | Value | Unit | Test Standard |
|--|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 262 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 230 | °C | ISO 75-1/-2 |
| Temp. of deflection under load, 0.45 MPa | 250 | °C | ISO 75-1/-2 |
| Vicat softening temperature, B | 245 | °C | ISO 306 |
| Burning behav. at thickness h | V-0 | class | IEC 60695-11-10 |
| Thickness tested | 0.8 | mm | - |

| Electrical properties | Value | Unit | Test Standard |
|----------------------------|-------|-------|---------------|
| ISO Data | | | |
| Volume resistivity | 1E13 | Ohm*m | IEC 62631-3-1 |
| Surface resistivity | 1E13 | Ohm | IEC 62631-3-2 |
| Comparative tracking index | 575 | - | IEC 60112 |

| Other properties | Value | Unit | Test Standard |
|------------------|-------|-------------------|---------------|
| Density | 1360 | kg/m ³ | ISO 1183 |

| Processing Recommendation Injection Molding | Value | Unit | Test Standard |
|---|-----------|------|---------------|
| Pre-drying - Temperature | 75 - 85 | °C | - |
| Pre-drying - Time | 2 - 4 | h | - |
| Melt temperature | 270 - 290 | °C | - |
| Mold temperature | 80 - 100 | °C | - |

Characteristics**Processing**

Injection Molding

Regional Availability

North America, Europe, Asia Pacific

Special Characteristics

Flame retardant